

CLAIMS

1. A material for producing antistatic polyurethane elastic fiber, said material being the mixture (of which
5 total is 100 parts by weight) of 5 to 95 parts by weight of at least one salt selected from the group consisting of sulfonates having C₈₋₃₀ hydrocarbon chain, sulfates having C₈₋₃₀ hydrocarbon chain and phosphates having C₈₋₅₀ hydrocarbon chain, and 95 to 5 parts by weight of a
10 starting material for producing polyurethane elastic fiber other than organic isocyanate.

2. A material in Claim 1, wherein the starting material for producing polyurethane elastic fiber is
15 selected from the group consisting of long-chain glycol for producing polyurethane, spinning solvent, and lubricants.

3. A material in Claim 1, wherein the long-chain
20 glycol for producing polyurethane elastic fiber is polytetramethylene glycol or polyesterdiol.

4. A material in Claim 1, wherein the spinning solvent is N,N-dimethyl-formamide or N,N-dimethylacetamide.
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5. A material in Claim 1, wherein the lubricants are bisamides or modified silicones.

6. A material in Claim 1, wherein the said salts
30 contain 0.5 weight percent or less of inorganic salts.

7. (after amendment) An antistatic polyurethane elastic fiber containing 0.1 to 10 weight percent of at least one salt selected from the group consisting of

sulfonates having C_{8-30} hydrocarbon chain, sulfates having C_{8-30} hydrocarbon chain and phosphates having C_{8-50} hydrocarbon chain (in which 0.5 weight percent or less of inorganic salts to the weight of the metal salts are
5 contained), and 0.1 to 10 weight percent of the lubricants, and having a tenacity of 1 g/de or more and an elongation of 400 % or more.